



CERTIFICATE OF MATERIAL ORIGIN

Date: 10/27/2017

Revision: 02

Product: Vitronectin, Human, Solution, Recombinant

Supplier	Advanced BioMatrix, Inc.
Supplier Catalog No.	5051
Supplier Location	California, USA
Name/Grade	Vitronectin, Human, Solution, 0.5 mg/ml, Recombinant
Animal Origin (including human)	
-Animal Species	Not applicable
-Tissue Origin	Not applicable
-County of Origin	United States
Non-animal Source of Origin	
-Country of Origin	United States
Animal Origin Material Adventitious Agent Risk Reduction Steps	Multiple adventitious agent reduction and clearance steps
Method of Manufacturing	Recombinant
Briefly describe Method of Manufacturing	Recombinant human Vitronectin gene (20-398 aa Fragment) was constructed with codon optimization and expressed in non-fusion protein form in E.coli as inclusion bodies.
Raw Material Use in Manufacturing	The raw material source for this product was not produced or subjected to animal derived protein, serum and enzymes.
Raw Material Testing	Not applicable

The above information has been completed by an authorized representative of management and is complete and correct to my knowledge.

President

October 27, 2017

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